

**INTELLIGENT END USER DEVICES FOR CLEARINGHOUSE SERVICES  
IN AN INTERNET TELEPHONY SYSTEM**

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**ABSTRACT OF THE DISCLOSURE**

Clearinghouse services architectures that support the use of end user devices, such as personal computers, Internet Protocol (IP) phones, cable multimedia terminal adapters, and residential gateways, in an Internet telephony system. The innovative architectures include a proxy-based system model, a direct communication model, and a hybrid proxy/direct communication model. A user can operate an "intelligent" end user device. i.e., a device running a client program with knowledge of the architecture particulars, to access a clearinghouse service on an IP network. This enables the user to communicate a telephony call over the IP network and via the combination of a terminating gateway identified by the clearinghouse service and the Public Switched Telephone Network.

20

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